MATSUSHITA Compressor
MODEL# DD57C94GBU6

Single Phase 115 V
R-134a 60 Hz

Voltage Range . . . . 103 Volts to 127 Volts @ 60 Hz
Application . . . . Low Back Pressure
Compressor Cooling . . . . Fan Cooling

Refrigerant Control . . Capillary Tube
Evaporator
Temp. Range . . . . -31°F to 23°F / -35°C to -5°C

Rated Performance Data

	Cond. Temp I*	Cond. Temp II*
Capacity	690 Btu/h ±7%	761 Btu/h ±7%
E.E.R.	4.93 Btu/Wh ±7%	5.73 Btu/Wh ±7%
Current	1.66 Amps	1.58 Amps

Nominal Motor Data

Motor Input	140 Watts	133 Watts
Rated Current	1.62 Amps	
Type	RSCR, PTC relay	

Locked Rotor . . . . 10.8 Amps
Start Current . . . . 18.0 Amps
Coil Resistances Run . . . . 3.84 Ohms
@ 68°F (20°C) Start . . . 5.41 Ohms

*Test Conditions for Performance Specifications

Test Oil . . . . ISO VG 10
Shell Temp . . . . 170.0°F / 76.0°C
Condensing Temp . . . . (I) 130.0°F / 54.4°C
. . . . (II) 105.0°F / 40.6°C
Evaporating Temp . . . . -10.0°F / -23.3°C
Ambient Temp . . . . 90.0°F / 32.2°C
Gas Superheat . . . . 90.0°F / 32.2°C
Liquid Sub-Cooling . . . . 90.0°F / 32.2°C

Electrical Accessories†

Overload Protector
Nominal Operating Characteristics

Model Name	4TM412MFBYY
Manufacturer	Texas Instruments
Temperature To	Open: 239°F ± 9°F / 115°C ± 5°C
	Close: 142°F ± 16°F / 61°C ± 9°C
Trip Current	@158°F (70°C) 3.10 Amps ± 7.5%
	@77°F (25°C) 12.9 Amps @ 18 sec. max.

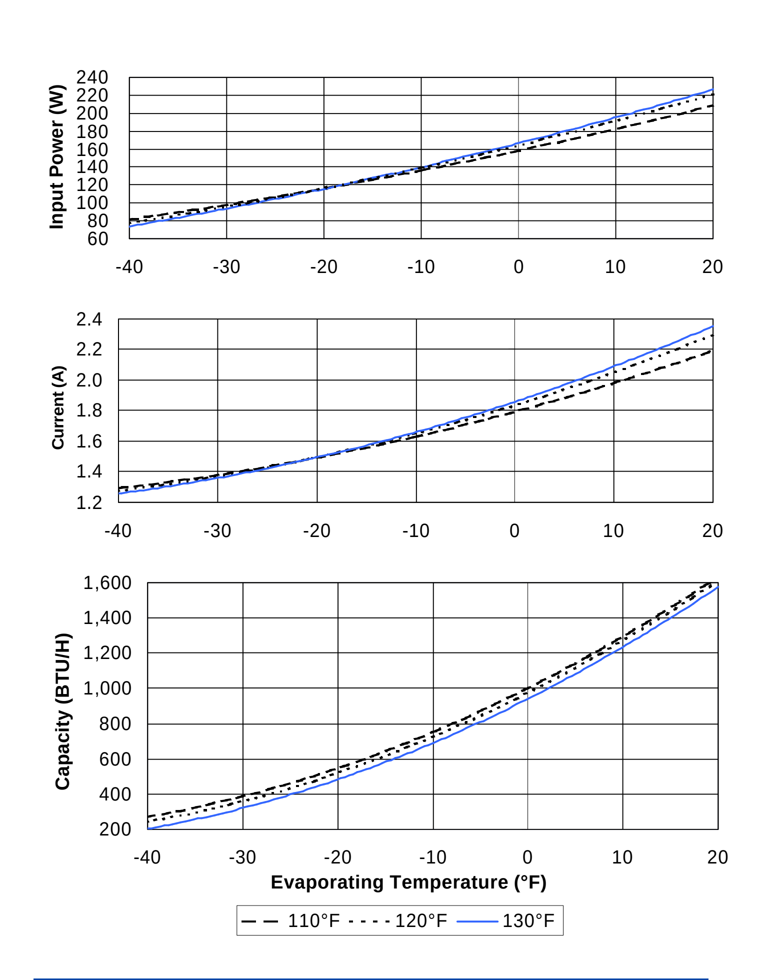
P.T.C. Starting Device
Nominal Operating Characteristics

Model Name	PTH490C-AS6R8	
Manufacturer	Murata Mfg.	
Base resistance		
@ 77°F(25°C) ±20%	6.8	Ohms
Power Consumption (max)	3.5	Watts
Operation time	1.0 to 2.7	seconds
Recovery time (max)	65	seconds

Run Capacitor — µF — V

†Although these accessories are listed by UL/CSA for use with this compressor, Matsushita assumes no responsibility whatsoever for these or any other components sourced by the refrigeration system manufacturer from third parties.

Performance Curves



9 – Point Data

Condensing Temp.	Rating	Evaporating Temp. -30°F	-10°F	+10°F
130°F	Btu/h	321	690	1,236
	Watts	94	140	195
	Amps	1.36	1.66	2.09
	E.E.R.	3.43	4.93	6.33
120°F	Btu/h	358	724	1,270
	Watts	96	139	191
	Amps	1.37	1.65	2.05
	E.E.R.	3.74	5.21	6.64
110°F	Btu/h	386	751	1,294
	Watts	98	136	182
	Amps	1.38	1.63	1.98
	E.E.R.	3.95	5.52	7.10

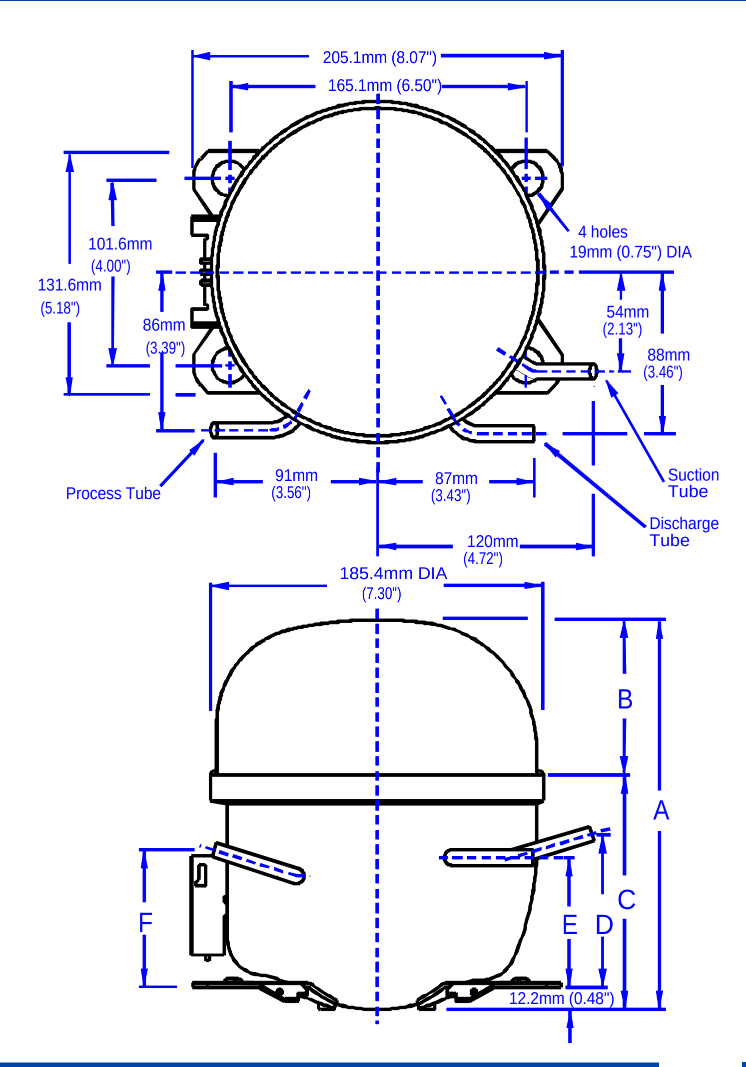


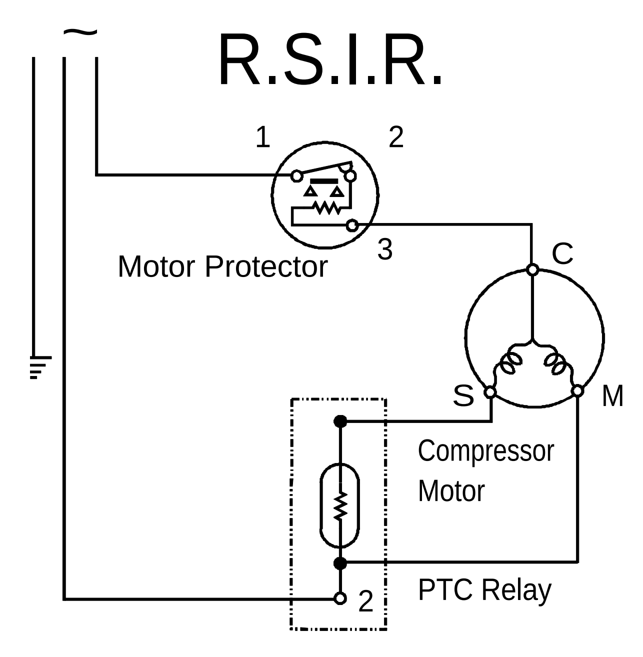
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Rev#1-5/9

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Dimensions*

	mm	inches
A	200.2	7.88
B	73.0	2.87
C	127.2	5.01
D	83.9	3.30
E	70.0	2.76
F	74.8	2.94

* All dimensions are for reference only

This document sets forth certain operational parameters and conditions for operation of this product. If this product is operated outside of the parameters and conditions stated herein, buyer assumes sole and full responsibility and shall indemnify seller with respect to all product failures and all consequences thereof. Operation of the product outside of the parameters and conditions specified herein shall serve to invalidate all seller warranties, if any, with respect to the product. This document is for reference only. For specifications, please contact Panasonic's engineering department.

Tubes	Tube O.D.	Wall	Material
Suction	0.33 in. / 8.3 mm	0.035 in. / 0.9 mm	Copper
Process	0.33 in. / 8.3 mm	0.035 in. / 0.9 mm	Copper
Discharge	0.33 in. / 8.3 mm	0.035 in. / 0.9 mm	Copper

U.L. File # . . . . SA 4615
C.S.A. File #'s . . . . . . LR - 36593

General Data

Oil Charge . . 250 cc ± 5 cc / 15.3 cu.in. ± 0.3 cu.in.
Net Weight With Oil . . . . 19.8 lbs, 9.0 kg
Approved Oils:
- FREOL . . α 10, α 10E, α 15, α 15E, α 22, α 22E
- ICI RL10H, RL15H, RL22H
- HENKEL . . . . .ProEco 10S,15S, 22S

Residual Moisture . . . . 120 mg max.
Impurities . . . . 10 mg max.
Displacement . . . . 5.65 cc. / 0.345 cu. in.



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